

ABSTRACT

$C_{12}A_7$ containing oxygen radicals at a high concentration, is provided at a low cost.

A method for preparing an oxygen radical-containing calcium aluminate film, characterized in that it comprises subjecting a powder of oxygen radical-containing calcium aluminate to thermal spraying, and preferably the oxygen radical content in the oxygen radical-containing calcium aluminate is at least 10^{20} 10 cm^{-3} .